**Algebra 1 Name:**

**Unit 1 Quiz 1: Writing and Simplifying Expressions Date:**

1. What is a **function**? Write a definition using complete sentences. **(3 points)**

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1. Do the following diagrams represent **functions**? Please **circle** the correct choice. **(2 points each)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | 4 | 2 | -5 | 9 |
| **Output** | 7 | 1 | 4 | 0 |

**Function**

**Not a function**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x** | 3 | 2 | 0 | 3 | 4 |
| **y** | -8 | 1 | 6 | 5 | 10 |

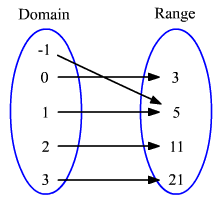
**Function**

**Not a function**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x** | -2 | 0 | 2 | 5 | 7 |
| **f(x)** | 11 | 5 | -3 | 3 | 5 |

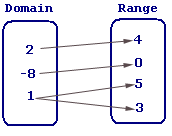
**Function**

**Not a function**

1. 

**Function**

**Not a function**

1. 

**Function**

**Not a function**

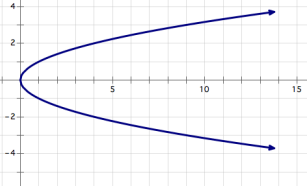
**Function**

**Not a function**

1. **{ (1, 6) (2, 3) (5, 7) (1, 10) }**

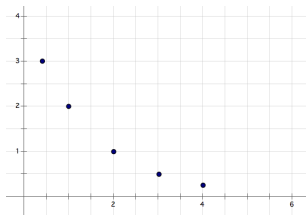
**Function**

**Not a function**

1. **{ (-7, 1) (-5, 3) (1, 9) (2, 11) }**
2. 

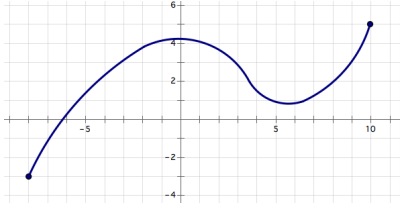
**Function**

**Not a function**



**Function**

**Not a function**



**Function**

**Not a function**